

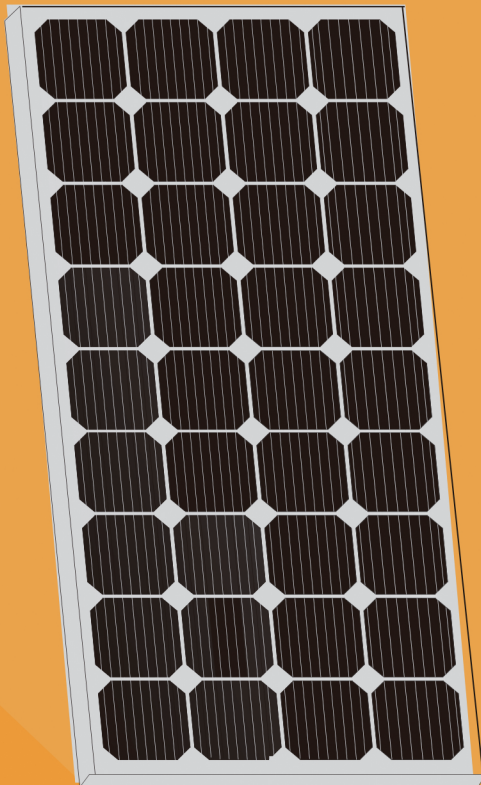
SDHYPER

"Make Difference, Make Better."

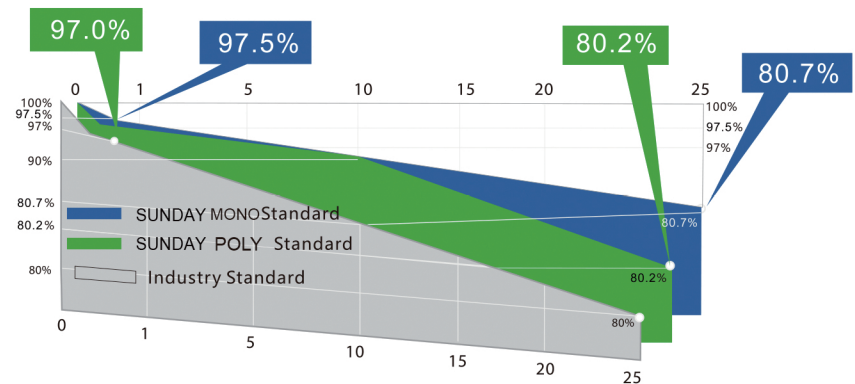
MONO 170-190w

Sunday Energy 9BB Mono Modules

Assembled with the advanced 5busbar-cell technology offer advantages of higher power output, reduced series resistance loss and lower risk of hotspot. In order to meet the customers' requirements of best quality and efficiency.



LINEAR PERFORMANCE WARRANTY



- 
9BB 9BB cell design
Smaller electric current, less CTM loss
Lower risk of hot spot
- 
ISO9001:2015&ISO14001
management systems
- 
IEC IEC61215 & IEC61730
standard quality
- 
Wind load up to 3800Pa
Snow load up to 5400Pa
- 
+6W 0-6W positive power sorting
- 
Stable performance under weaklight conditions
- 
10-year 25-year 25-year power warranty
10-year product warranty

MONO 170W-190W 36 cells

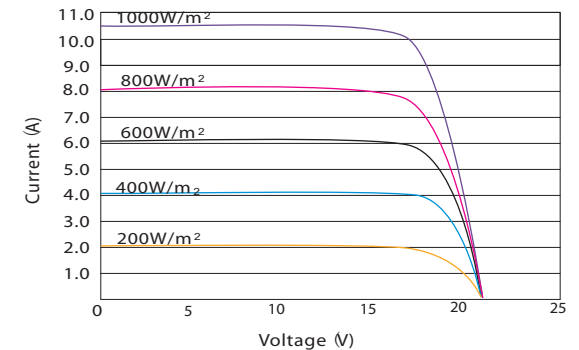
ELECTRICAL PARAMETERS

Model Type	SDM-170	SDM-175	SDM-180	SDM-185	SDM-190
Nominal Maximum Power (Pmax)	170W	175W	180W	185W	190W
Optimum Operating Voltage (Vmp)	18.05V	18.10V	18.15V	18.20V	18.25V
Optimum Operating Current (Imp)	9.42A	9.67A	9.92A	10.16A	10.41A
Open Circuit Voltage (Voc)	22.07V	22.11V	22.23V	22.35V <td 22.47V	
Short Circuit Current (Isc)	9.87A	10.14A	10.38A	10.61A	10.84A
Module Efficiency	17.00%	17.50%	18.00%	18.50%	19.00%
Power Tolerance	0 to + 6W				
Maximum System Voltage	DC 1500V				
Operating Temperature	-40 C ~+85 C				
Maximum Series Fuse Rating	15A				
Number of Bypass Diode	2				

ELECTRICAL CHARACTERISTICS

(SDM-185)

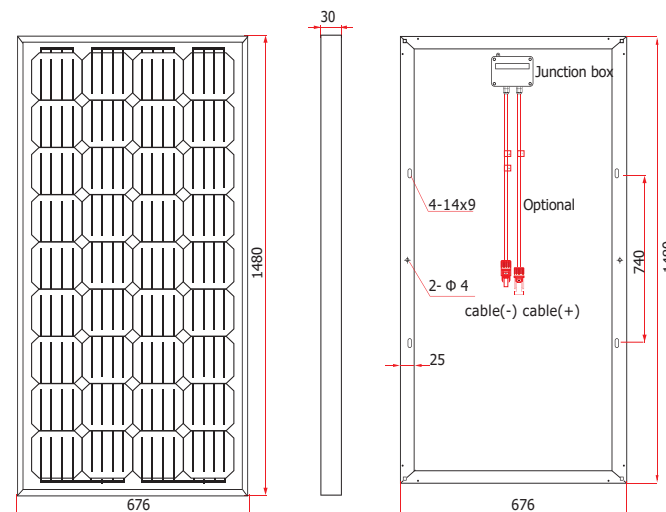
Current-Voltage Characteristic (I-V Curve)



MECHANICAL DATA

Cell Type	158.75mm x 158.75mm
Cell Arrangement	36 cells in series
Dimensions	1480 x 676 x 30mm
weight	11.18kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP65, 2 diodes
Cable	2.5mm² (IEC) / 12AWG (UL), 900mm (650mm is optional)
Connectors	MC4 or MC4 compatible

PHYSICAL CHARACTERISTICS Unit: mm (inch)



TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.370% / °C
Temperature Coefficient (Voc)	-0.290% / °C
Temperature Coefficient (Isc)	0.05% / °C
Norminal operatigCell Temperatue	45.3 ± 2 °C

Note: Due to continuous technical innovation, R&D and creation, technical data above mentioned may be of modification timely, Sunday Energy has the own right to make such modification at anytime without future notice.

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